

THREAD & NEEDLE RECOMMENDATIONS

Bonded UVR polyester: The industry standard with high strength, controlled stretch, stability in sunlight, and resistance to needle heat, abrasion, salt-water and mildew. Seldom frays at the needle eye. Bonded finish increases consistency and reduces machine tension adjustments.

Nylon #69 Bonded: Designed for medium to heavy upholstery fabric, plastic, tarpaulin, and leather. High tensile strength and abrasion resistance. Not recommended for outdoor use.

Tenara: Proven to be unaffected by exposure to UV radiation, cleaning agents, pollution, saltwater, air, rain and snow. Worth the extra expense if working in warmer climates or leaving canvas projects outside year round. Sailrite recommends using a #14 or #16 needle with regular Tenara thread or a #19 or #20 with Heavy Tenara thread.

Monofilament: Used primarily in upholstery work. Very strong and sews "well" (easy to set upper thread tension and tension remains consistent). Clear to blend in with fabric.

	HOME MACHINE NEEDLE SIZE & THREAD								INDUSTRIAL MACHINE NEEDLE SIZE & THREAD								
	NEEDLE POINT	NEEDLE SIZE	V-30 POLY	V-46 POLY	V-69 POLY	V-69 NYLON	TENARA*	MONO	NEEDLE SIZE	V-30 POLY	V-46 POLY	V-69 POLY	V-69 NYLON	V-92 POLY	TENARA*	HEAVY TENARA*	MONO
BAG/FLAG NYLON	Sharp	#14		✓					#14		✓						
BAG MESH	Sharp	#16			✓				#16					✓			
BOAT BLANKET	Sharp	#18			✓		✓		#20					✓	✓		
BOAT TOP	Sharp	#18			✓		✓		#20					✓	✓		
CARPET HEADLINER	Sharp	#20			✓				#20					✓			
CHANNELING FABRIC	Sharp	#18			✓		✓		#18					✓	✓		
COTTON DUCK	Sharp	#20			✓				#20					✓			
CUSHION UNDERLINING	Sharp	#18			✓			✓	#18					✓			✓
DACRON (3.9 OZ)	Sharp	#16			✓		✓		#16		✓			✓			
DACRON (5-9 OZ.)	S,DI,SDI	#16, 18			✓		✓		#18-22					✓	✓		
DRY LEATHER	DI	N/A							#18-23					✓			
FIRESIST	Sharp	#18			✓		✓		#20					✓	✓	✓	
HEADLINER	Sharp	#18			✓			✓	#20		✓						✓
MARINE TOPPING	Sharp	#18			✓		✓		#20					✓	✓		
MOSQUITO NETTING	Ball	#14	✓						#14	✓							
NAUGAHYDE	Sharp	#18			✓		✓		#20					✓	✓		
NAUGA SOFT	Sharp	#18			✓	✓			#18		✓	✓					
ODYSSEY III / SOFT TOUCH	Sharp	#18			✓		✓		#18					✓	✓		
PHIFERTEX & PLUS	Sharp	#18			✓		✓		#20					✓	✓		
PLASTIPANE CLEAR VINYL	Sharp	#16			✓				#18		✓						
POLYESTER MESH	Sharp	#14		✓					#14		✓						
SEA MARK™	Sharp	#18			✓		✓		#18					✓	✓		
SHELTER-RITE	Sharp	#18			✓		✓		#20					✓	✓	✓	
SPINNAKER CLOTH (.5-.75 OZ.)	Sharp	#12	✓						#12	✓							
SPINNAKER CLOTH (≥ 1.5 OZ.)	Sharp	#16		✓					#16		✓						
SPRADLING VINYL	Sharp	#18			✓		✓		#20					✓	✓		
STAMOID®	Sharp	#18			✓		✓		#20					✓	✓		
STRATAGLASS, WINDOW MATERIAL	Sharp	#18			✓		✓		#20					✓	✓		
SUNBRELLA® MARINE GRADE	Sharp	#18			✓		✓		#20					✓	✓	✓	
SUNBRELLA® AWNING STRIPES	Sharp	#18			✓		✓		#20					✓	✓	✓	
SUNBRELLA® FURNITURE FABRIC	Sharp	#16			✓	✓			#16			✓	✓				
SUNBRELLA® SHADOW	Sharp	#14		✓					#14		✓						
SUNBRELLA® SHEER	Sharp	#14		✓					#14		✓						
SUNBRELLA® VIEW	Sharp	#18			✓		✓		#20					✓	✓		
SUNBRELLA® YACHTING	Sharp	#16			✓	✓			#16		✓	✓					
SURLAST™	Sharp	#18			✓		✓		#18					✓	✓		
TRAMP MESH	S, DI	#20			✓				#20					✓	✓	✓	
TOP GUN	Sharp	#18			✓		✓		#20					✓	✓	✓	
ULTRALEATHER™	Ball	#18				✓		✓	#18				✓				✓
ULTRASUEDE®	Ball	#18				✓		✓	#18				✓				✓
WEBLON	Sharp	#16			✓		✓		#18					✓	✓		

Ball = Ballpoint DI = Diamond Point S = Sharp

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